

ABSTRACT

Novel polyamines, their synthesis and use in pharmacological, cosmetic or agricultural applications are provided. The polyamines induce antizyme production which in turn down regulates both the production of polyamines by ornithine decarboxylase (ODC) and the transport of polyamines by its corresponding polyamine transporter. These compounds will preferably enter the cell independent of the polyamine transporter. As drugs, these compounds are used to treat any disease associated with cellular proliferation including but not limited to cancer.